

**WHAT IS CLAIMED IS:**

1. A multi-piece solid golf ball comprising a core consisting of a center and an intermediate layer formed on the center, and at least one layer of a cover covering the core, wherein

the intermediate layer has a thickness of 0.3 to 2.5 mm and a hardness in Shore D hardness of 50 to 75, the hardness of the intermediate layer is higher than a surface hardness in Shore D hardness of the center and a hardness in Shore D hardness of the outermost layer of the cover, and the flexural modulus of the intermediate layer is lower than that of the outermost layer of the cover.

2. The multi-piece solid golf ball according to Claim 1, wherein the intermediate layer has a specific gravity of smaller than 1.2 and a flexural modulus of not more than 200 MPa.

3. The multi-piece solid golf ball according to Claim 1, wherein the outermost layer of the cover has a hardness in Shore D hardness of lower than 62, a flexural modulus of not less than 130 MPa and a thickness of 0.3 to 2.5 mm.

4. The multi-piece solid golf ball according to Claim 1, wherein

the intermediate layer is formed from rubber composition comprising polybutadiene, co-crosslinking age

organic peroxide and filler as an essential component,  
the co-crosslinking agent is metal salt other than  
zinc salt of  $\alpha,\beta$ -unsaturated carboxylic acid, and  
an amount of the organic peroxide in the rubber  
composition is not less than 4 parts by weight, based on  
100 parts by weight of the polybutadiene.